10/049515 JC Ree'd PCT/PTU 13 FEB 2000

Atty. Dkt. No. 038602-1320

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gregory D. PLOWMAN et al.

Title: NOVEL PROTEIN PHOSPHATASES AND DIAGNOSIS AND

TREATMENT OF PHOSPHATASE-RELATED DISORDERS

Appl. No.: Unassigned

Filing Date: February 13, 2002

Examiner: Unassigned

Art Unit: Unassigned

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

Commissioner for Patents Box PCT Washington, D.C. 20231

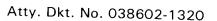
Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

## **TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.



## RELEVANCE OF EACH DOCUMENT

Any document listed on the attached PTO-1449 was cited as being relevant during a search of the corresponding International application. Copies of the documents are not being provided since copies should have been provided directly by WIPO under an exchange program between the PTO, the EPO and the JPO.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

By

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY, DOCKET NO. SERIAL NO. (MODIFIED) PATENT AND TRADEMARK OFFICE 038602-1320 Unassigned **APPLICANT** INFORMATION DISCLOSURE CITATION Gregory PLOWMAN et al. FILING DATE **GROUP ART UNIT** (Use several sheets if necessary) 02/13/2002 Unassigned **U.S. PATENT DOCUMENTS** FILING DATE **EXAMINER DOCUMENT** SUB-DATE NAME **CLASS** REF IF INITIAL NUMBER **CLASS APPROPRIATE** FOREIGN PATENT DOCUMENTS **DOCUMENT** TRANSLATION SUB-DATE REF COUNTRY **CLASS** NUMBER **CLASS** YES NO WO 99 02704 01/21/1999 A1 00 06728 02/10/2000 WO A2 WO 00 18890 04/06/2000 А3 01 05983 01/25/2001 WO A4 01 02581 01/11/2001 WO **A5** 01 02582 01/11/2001 WO A6 00 60098 WO 10/12/2000 Α7 00 63393 WO 10/26/2000 **8**A 00 56899 09/28/2000 WO Α9 WO 00 65069 11/02/2000 A10 00 60099 10/12/2000 WO A11 00 55332 09/21/2000 WO A12 00 65068 WO 11/02/2000 A13 WO 01 20004 03/22/2001 A14 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) MARRA, M. et al. "ub03e08.r1 Soares mouse mammary gland NbMMG Mus musculus cDNA clone IMAGE:1365926 5' similar to TR:P91585 P91585 COS41.7.; mRNA sequence." EMBL Online (June 18, A15 1998). LI, L. et al. "Tyrosine phosphatase CDC14B," SWALL Online (June 1, 1998). A16 LI. L, et al. "A family of putative tumor suppressors is structurally and functionally conserved in humans and A17 yeast." J. Biol. Chem. (November 21, 1997), Vol. 272, No. 47, pp. 29403 - 29406. BIRD, A.P. et al. "COS41.7 from Ciona intestinalis; Tyr phosphatase," SWALL Online (May 1, 1997). A18 **EXAMINER** DATE CONSIDERED EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

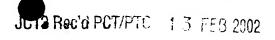
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	A22	ADAMS, M.D. et al. "EST86937 HSC172 cells I Homo sapiens cDNA 5' end similar to similar to tyrosine phosphatase CL100." <i>EMBL Online</i> (April 18, 1997).
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	A25	HILLIER, L. et al. "zx70e02.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:796826 3' similar to WP:ZK757.2 CE00468 PROTEIN-TYROSINE PHOSPHATASE; mRNA sequence." <i>EMBL Online</i> (June 13, 1997).
	A26	STRAUSBERG, R. "ai27e05.s1 Soares_testis_NHT Homo sapiens cDNA clone 1344032 3' similar to SW:DUS3_HUMAN P51452 DUAL SPECIFICITY PROTEIN PHOSPHATASE 3; mRNA sequence." <i>EMBL Online</i> (February 6, 1998).
	A27	HILLIER, L. et al. "zg88b02.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:409611 3' similar to SW:DUS3_HUMAN P51452 DUAL SPECIFICITY PROTEIN PHOSPHATASE 3; mRNA sequence." <i>EMBL Online</i> (January 8, 1998).
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	A29	STRAUSBERG, R. "ov67c10.x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1642386 3' similar to WP:F26A3.4 CEO9669 PROTEIN-TYROSINE PHOSPHATASE; mRNA sequence." <i>EMBL Online</i> (June 19, 1998).
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	A36	STRAUSBERG, R. "qx66f03.x1 NCI_CG/ TR:Q91790 Q91790 MAP KINASE PHOS			
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	A40	STRAUSBERG, R. "tg11g09.x1 NCI_CGAP_CLL1 Homo sapiens cDNA clone IMAGE:2108512 3' similar to SW:DUS5_HUMAN Q16690 DUAL SPECIFICITY PROTEIN PHOSPHATASE 5; mRNA sequence." <i>EMBL Online</i> (February 5, 1999).			
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		OTHER DOCUMENTS (Including A	uthor, Title, Date, Pertinent Pages,	Etc.)
	A47	HILLIER, L. et al. "zr27d12.r1 Stratagene IMAGE:664631 5' similar to SW:YJ80_YE INTERGENIC REGION.; mRNA sequenc	EAST P47147 HYPOTHETICAL 80.2 K	
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	A49	STRAUSBERG, R. "qt44f08.x1 Soares_femRNA sequence." EMBL Online (December)		NA clone IMAGE:1950855 3',
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A67	KIOSCHIS, P. et al. "Myotubularin-Related	Protein 1 (Fragment)." SWALL (	Online (November 1, 1997).
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A75	STRAUSBERG, R. "hn68c07.x1 NCI_CG TR:095147 MKP-1 LIKE PROTEIN TYRC 2000).	AP_Kid11 Homo sapiens cDNA clone	e IMAGE:3033036 3' similar to	
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A79	SUGANO, S. et al. "Homo sapiens cDNA	FLJ20442 fis, clone KAT04828," <i>EM</i>	BL Online (February 22, 2000)	
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